



# TRANSMITTAL FORM

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/676,601	
	Filing Date	October 1, 2003	
	First Named Inventor	XU	
	Group Art Unit	NA	
	Examiner Name	NA	
Total Number of Pages in This Submission		Attorney Docket Number	10013.0001US

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form (in duplicate)  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below)  1. Self-addressed stamped postcard.  2. Identified references.		
<table><tr><td>Remarks</td><td></td></tr></table>			Remarks	
Remarks				

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Greg S. Hollrigel Registration No. 45,374
Signature	
Date	December 5, 2003

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO, or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Greg S. Hollrigel		
Signature		Date	December 5, 2003



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/676,601  
Applicant : XU et al.  
Filed : October 1, 2003  
Title : MICRO-PUMP

Confirmation No.

TC/A.U. : NA  
Examiner : NA

Docket No. : 10013.0001US  
Customer No. : 31495

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.	
Date:	<u>12/5/03</u>
By:	<u>Greg S. Hollrigel</u> Greg S. Hollrigel

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. 1.97(b)(1)**

Dear Sir:

Applicant wishes to call to the attention of the Examiner the documents cited on the accompanying Form PTO-1449. Copies of these references are enclosed herewith. This communication is being submitted under 37 C.F.R. 1.97(b)(1). No fee is due regarding this communication.

No concession is made that these documents are prior art, and applicant expressly reserves the right to antedate the documents as may be appropriate. Applicant requests that each of these documents be made of record in the above-identified application.

Date: 12/5/03

Respectfully submitted,

Greg S. Hollrigel  
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Form PTO-1449

DEC 08 2003

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use separate sheets if necessary)

Docket No.: 10013.0001US

Applicant N : 10/676,601

Applicant: XU et al.

Filing Date: October 1, 2003

Group Art Unit: NA

**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,499,909	3/19/96	Yamada et al.	417	384	
	5,759,014	6/2/98	Van Lintel	417	413.3	
	6,390,791	5/21/02	Maillefer et al.	417	413.3	
	6,408,878	6/25/02	Unger et al.	137	597	
	6,520,753	2/18/03	Grosjean et al.	417	379	
	2002/0081866 A1	6/27/02	Choi et al.	438	800	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	02/43615	6/6/02	WO				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AA	Maillefer, D. et al., "A high-performance silicon micropump for disposable drug delivery systems", The thirteenth IEEE International Micro Electro Mechanical Systems (MEMS-2000 Conference, Miyazaki, Japan, 413-417
	AB	Khoo, M. et al., "A novel micromachined magnetic membrane microfluid pump", The 22nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Chicago, IL, 2000, 1-4.
	AC	Linnemann, R. et al., "A self-priming and bubble-tolerant piezoelectric silicon micropump for liquids and gases", The 11th annual international workshop on MEMS, 1998 Heidelberg Germany, 532-537.
	AD	Kamper, K.P. et al., "A self-filling low-cost membrane micropump", The 11th annual international workshop on MEMS, 1998 Heidelberg Germany, 432-437.
	AE	Shinohara, J. et al., "A high pressure-resistance micropump using active and normally-closed valves", Thirteenth IEEE International Micro Electro Mechanical Systems (MEMS-2000) Conference, Miyazaki, Japan, 2000.
	AF	Grosjean, C. et al., "A thermopneumatic peristaltic micropump", Technical Digest of Transducers '99, Sendai, Japan.
	AG	Maillefer, D. et al., "A high-performance silicon micropump for an implantable drug delivery system", The 1999 IEEE International Micro Electro Mechanical Systems (MEMS-1999) Conference. Orlando, FL, 1999.
	AH	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.